

WHAT IS CLAIMED IS:

1. A communication apparatus comprising:  
selecting means for selecting M different numbers;  
receiving means for receiving a signal;  
clock generating means for generating a clock from the  
signal received by said receiving means;  
counting means for counting the generated clock; and  
transmitting means for transmitting information  
according to the clock count obtained by said counting means  
and the selected numbers by said selecting means.

2. A communication apparatus according to claim 1,  
further comprising generating means for generating a  
plurality of numbers,  
wherein said selecting means selects the numbers  
generated by said generating means.

3. A communication apparatus according to claim 2,  
wherein said generating means generates the plurality of  
numbers upon reception of an information transmission  
instruction.

4. A communication apparatus according to claim 1,  
further comprising storing means for storing L numbers,

where  $L > M$ ,

wherein said selecting means selects M numbers from the L numbers stored in said storing means.

5. A communication apparatus according to claim 1, wherein said transmitting means transmits identification information of the communication apparatus.

6. A communication apparatus according to claim 1, wherein said transmitting means transmits the information each time the clock count obtained by said counting means matches one of the numbers selected by said selecting means.

7. A communication apparatus comprising:

transmitting means for transmitting a signal to supply a clock and power to at least one other different communication apparatus;

receiving means for receiving information from the at least one other different communication apparatus;

determining means for determining whether or not said receiving means has received the same information a plurality of times; and

outputting means for outputting the information received a plurality of times according to a determination result of said determining means.

8. A communication apparatus according to claim 7, wherein said transmitting means transmits a transmission instruction of the information to the at least one other different communication apparatus, and transmits the transmission instruction again according to a determination result of said determining means.

9. A communication apparatus according to claim 7, wherein the information comprises information for identifying the at least one other different communication apparatus.

10. A communication method comprising:  
a selecting step of selecting M different numbers;  
a receiving step of receiving a signal;  
a clock generating step of generating a clock from the signal received in said receiving step;  
a counting step of counting the generated clock; and  
a transmitting step of transmitting information according to the clock count obtained in said counting step and the selected numbers in said selecting step.

11. A communication method according to claim 10, further comprising a generating step for generating a

plurality of numbers, wherein said selecting step selects the numbers generated by said generating step.

12. A communication method according to claim 11, wherein said generating step generates the plurality of numbers upon reception of an information transmission instruction.

13. A communication method according to claim 10, further comprising a storing step for storing L numbers, where  $L > M$ , wherein said selecting step selects M numbers from the L numbers stored in said storing step.

14. A communication method according to claim 10, wherein said transmitting step transmits identification information of a communication apparatus.

15. A communication method according to claim 10, wherein said transmitting step transmits the identification information each time the clock obtained by the counting step matches one of the numbers selected by the selecting step.

16. A communication method comprising:  
a transmitting step of transmitting a signal to supply

a clock and power to at least one other different communication apparatus;

a receiving step of receiving information from the at least one other different communication apparatus;

a determining step of determining whether or not the same information has been received a plurality of times in said receiving step; and

an outputting step of outputting the information received a plurality of times according to a determination result obtained in said determining step.

17. A communication method according to claim 16, wherein said transmitting step transmits a transmission instruction of the information to the at least one other communication apparatus, and transmits the transmission instruction again according to a determination of said determining step.

18. A communication method according to claim 16, wherein the information comprises information for identifying the at least one other different communication apparatus.